"You see! Stones also grow!" Another Native geologist, who had heard the European story of creation, coming from the Coast, a country of sand and sand only, and visiting the Drakensberg Mountains near Shiluvane, was amazed by the enormous cliffs of the Mamotswiri and gave vent to the following reflection : "No wonder we have no stones in our sandy land. When God created the earth, he used them all to build these mountains!" 823

Fossils are rare in Thongaland, where sand covers almost the whole country. There is however in the southern part of the Maputju region an outcrop of cretaceous rock which belongs to the Gault and which contains ammonites, Nautillus etc. Natives call them *nsongo stones* and are very much afraid of them. They say that "these stones with ribs" can walk. They bring bad luck (singita). Should a child pick up one of these fossils and bring it into the village, he will fall ill ; he must therefore undergo a special treatment. 136 823 777

Crystal greatly pleases the Natives. It is rare in South Africa. When magicians can secure a white or a black crystal they generally wear it round their necks together with the claws, or teeth, of wild animals, or with their little skin bags which they use as amulets. For this reason I once had the good fortune to be able to exchange a crystal I had brought from Switzerland for one of these charms! 135 301

The *earth* (misaba) is also a great and important thing. First because it is identified with the people dwelling on it, with the clan. *Tiko*, the land, means both the soil and the people. Further than this, the earth is the chief (I. p. 382) ; hence many laws : e. g. the tusk of the elephant which fell on the earth when the beast was killed, belongs to the chief, etc. (p. 57). The most solemn oath is that which is taken with earth (ku funga u hahla hi misaba). Should a man be accused of stealing or of being a wizard, if he puts a little earth in his mouth, says *tsu*, and declares : "I do not know anything about it," those who care for his safety will look for a medicine-man to treat him : it is a *mondjo* (a magical method of divination. See Chapter III). The same thing is done when an oath has been taken by sucking a piece of iron. 823 695 787

A curious superstition regarding the earth is this : after moving from one country to another, you should for some days mix with 823

your food a little of the earth of the country which you have left ; this will provide the transition between the old and the new domicile (See I. p. 49). 823

Metals known to the tribe before the coming of the Whites were few. (See page 137). *Nhumbu* or *nsimbi*, iron, *nsuku*, copper, and *ntchopfa*, a name applied to all white metals (tin, silver, etc.) are the only Native names for metals. There is no word for gold. 135

V. *The Vegetable World. Thonga Botany.*

While Bantus possess a very limited knowledge of Astronomy, Geography, Mineralogy, etc., while their ideas in these domains are in no way deserving of the name of Science, they are much more advanced as regards Plants. Here it is quite allowable to speak of a Science, a rudimentary Science, no doubt, but a true, precise knowledge which has been transmitted from past ages and which denotes a real power of observation. 815

The Delagoa flora is not very rich. I have succeeded in collecting between four and five hundred different kinds in a herbarium which I sent many years ago for classification to the Herbier Boissier in Geneva. In February 1893, before forwarding the second lot of exsiccata, I gathered together some Natives of Rikatla in the hut which I had pompously styled a Museum and, having promised them 1 s. each if they consented to remain till the end of the examination, I submitted the dried plants to them, asking them their names, their uses, etc. The result of the inquiry was marvellous. My areopagus did not seem to be a very choice one : an old woman, as dry as my exsiccata and smoking her pipe, another with ochre-smeared hair, a young one, with a baby on her shoulder, an elderly one-eyed man named Hamunde, my milkman. After them came the young chief Muzila, walking slowly, swinging the tails of his belt. This chief, notwithstanding his social rank, showed gross ignorance of botany ; but some of the others knew the name of almost every plant ; had I had a *ñanga*, a medicine-man, amongst them, I am sure I should have obtained 137 124 815 815 756 824

hlulawumbe grows, (Hlulawumbe means to overcome others) (1). 000

Offerings of the Medicine-men. The Native physicians are, as 782
has already been pointed out, very pious. Their art having been 756
handed down to them by their forefathers, as a family secret, they 484
always implore the blessing of their ancestors on their various treatments. This is done by true offerings, performed with the *tsu* and a liturgical prayer. In Vol. I. p. 55, the religious ceremony which accompanies the monthly vapour bath administered to infants was described ; a religious rite takes place also in the hondola of the weaning (I. p. 59). These are typical cases. Another offering of the same nature is made on behalf of the man who is about to *start out on a journey*, for instance to Johannesburg. The doctor, having prepared the protective drugs in a pot, brings them to the entrance of the traveller's hut, and calls his "patient,"; then, taking a little of the decoction in his mouth, he spits it at him with the sacramental *tsu*, and prays in the following words :

Akhwari! Abusayi! Ndji hlaya psolepso! Khongelwa a nga dlawi. Ku dlawa phalaburena! Khombo a dji suke, dji ya ka Shiburi, dji ya ka Nkhabelane! A a fambe psinene, a kandjetela balala, mitwa mi yetlele, ku yetlela ni tindjau. A a ye nwa mati ya kone, ma mu tjhabisa hi djo tluka ledji.

Gently! Smoothly! I say so. Death does not come to him for whom prayer is made ; death only comes to him who trusts in his own strength! Let misfortune depart, let it go to Shiburi, and Nkhabelane (2). Let him travel safely ; let him trample on his enemies ; let thorns sleep, let lions sleep ; let him drink water wherever he goes, and let that water make him happy, by the strength of this leaf (viz., of my medicinal herbs).

(1) I may mention here another religious ceremony which is also called a mhamba, though I am not sure that a regular prayer is offered. It is the *Offering of a Stone*. Stones are almost totally lacking in Thongaland. But on the Swazi border, in the Lebombo hills, there are porphyreous rocks, and when a Native passes a certain spot, on the Estatuen road, he picks up a stone, spits on it, touches both his knees with it and throws it on a heap made of the stones thrown by those who passed before him. This heap of stones is called *shitltane*. This rite is said to be performed in order to call a blessing on the journey ; thus the traveller will find a favourable reception in the villages and be given plenty of food. This custom is wide-spread in many other tribes. 135 823 782 484

(2) The extremity of the land (Comp. I, p. 55).